

<p>USPTO Form 1449 U.S. Department of Commerce Patent and Trademark Office</p> <p>INFORMATION DISCLOSURE STATEMENT</p> <p style="text-align: center;"><i>FEB 17 2004 U.S. PATENT & TRADEMARK OFFICE</i></p>				Attorney Docket No.		Serial No.		
				25436/2345C		10/734,563		
				Applicant(s): Sorge, et al.				
				Filing Date: December 12, 2003			Group: Not Yet Assigned	
U.S. PATENT DOCUMENTS								
Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)	
R V	1.	6,607,883	Aug. 19, 2003	Frey, et al.	435	6	Feb. 8, 2001	
	2.	6,395,526	May 28, 2002	Uemori, et al.	435	194	June 26, 1998	
	3.	6,333,183 B1	Dec. 25, 2001	Evans, et al.	435	194	Nov. 17, 2000	
	4.	5,489,523	Feb. 6, 1996	Mathur	435	194	Oct. 26, 1992	
FOREIGN PATENT DOCUMENTS								
Examiner Initial		Document No.	Publication Date	Country	Class	Subclass	Translation	
							YES	NO
	5.	WO 01/92501 A1	Dec. 6, 2001	PCT	C12N	9/12	X	
	6.	EP 1 132 474 A1	Sept. 12, 2001	EP	C12N	15/52	X	
	7.	WO 01/23583 A2	Apr. 5, 2001	PCT	C12N	15/55	X	
	8.	EP 1 088 891 A1	Apr. 4, 2001	EP	C12N	15/55	X	
	9.	EP 0 693 078 B1	June 23, 1999	EP	C12N	15/54	X	
	10.	EP 0 922 765 A1	June 16, 1999	EP	C12N	15/31	X	
	11.	EP 0 870 832 A1	Oct. 14, 1998	EP	C12N	15/54	X	
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)								
	12.	Arezi, B. et al., "Amplification efficiency of thermostable DNA polymerases", <i>Analytical Biochemistry</i> , 2003, 321:226-235.						
	13.	Fogg, M.J. et. al., "The Structural Basis for Template Strand Uracil Recognition by Archaeal DNA Polymerases", <i>FASEB Summer Research Conference</i> , poster abstract, June 2002, (20).						
	14.	Hogrefe, H.H. et al., "Archaeal dUTPase enhances PCR amplifications with archaeal DNA polymerases by preventing dUTP incorporation", <i>PNAS</i> , 2002, 99(2):596-601.						
	15.	Pavlov, A.R. et al., "Helix-hairpin-helix motifs confer salt resistance and processivity on chimeric DNA polymerases", <i>PNAS</i> , 2002, 99(21):13510-13515.						
	16.	Evans, S.J. et. al., "Improving dideoxynucleotide-triphosphate utilisation by the hyper-thermophilic DNA polymerase from the archaeon <i>Pyrococcus furiosus</i> ", <i>Nucleic Acids Research</i> , 2000, 28(5):1059-1066.						
	17.	Greagg, M.A. et. al., "A read-ahead function in archaeal DNA polymerases detects promutagenic template-strand uracil", <i>Proceedings of the National Academy of Sciences USA</i> , 1999, 96(16):9045-9050.						

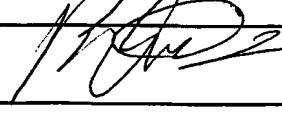
5/29/07



<i>RH</i>	18.	Sakaguchi, A.Y. et al., "Cautionary Note on the Use of dUMP-Containing PCR Primers with <i>Pfu</i> and Vent _R ® DNA Polymerases", 1996, <i>BioTechniques</i> , 21:368-370
	19.	Slupphaug, G. et al., "Low Incorporation of dUMP by Some Thermostable DNA Polymerases May Limit Their Use in PCR Amplifications", 1993, <i>Anal. Biochem.</i> , 211:164-169.
	20.	Longo, M.C. et al., "Use of uracil DNA glycosylase to control carry-over contamination in polymerase chain reactions", 1990, <i>Gene</i> , 93:125-128.
EXAMINER	<i>RH</i>	
	DATE CONSIDERED <i>5/28/07</i>	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

**Copies of references not provided at the time of this submission.

 INFORMATION DISCLOSURE STATEMENT <small>JAN 12 2006</small>				Attorney Docket No. 25436/2345C		Serial No. 10/734,563		
				Applicant(s): Sorge et al.				
				Filing Date: December 12, 2003		Group: 1652		
U.S. PATENT DOCUMENTS								
Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)	
FOREIGN PATENT DOCUMENTS								
Examiner Initial		Document No.	Publication Date	Country	Class	Subclass	Translation	
							YES	NO
RK	A.	WO03/089637	October 30, 2003	PCT	C12N	9/12		
	B.	WO03/060144	July 24, 2003	PCT	C12Q			
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)								
	C.	Connolly et al., "Uracil Recognition by Archaeal Family B DNA Polymerase", Biochemical Society Transactions (2003), V. 31, Part 3, Pages 699-702.						
	D.	Fogg et al., "Structural Basis for Uracil Recognition by Archaeal Family B DNA Polymerases", Nature Structural Biology (2002), V. 9, No. 12, Pages 922-927.						
	E.	Gardner et al., "Determinants of Nucleotide Sugar Recognition in an Archaeon DNA Polymerase", Nucleic Acids Research (1999), V. 27, No. 12, Pages 2545-2553.						
	F.	Supplementary European Search Report based on EP 03809647 dated September 22, 2005.						
				DATE CONSIDERED 5/29/07				
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.</small>								
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